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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/553,307
	Filing Date	October 14, 2005
	First Named Inventor	John C. Gebler
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	64254(49991)

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<b>Remarks</b>	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Copy of International Search Report (6 pages) Form PTO/SB/08a/b (2 pages) Copies of 3 references Return Receipt Postcard	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

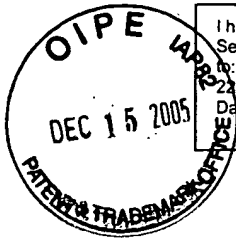
Firm Name	EDWARDS ANGELL PALMER & DODGE LLP		
Signature			
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Date	December 15, 2005	Reg. No.	32,360

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Dated: December 15, 2005 Signature: *Peter C. Lauro*  
(Peter C. Lauro)

Docket No.: 64254(49991)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
John C. Gebler, *et al.*

Application No.: 10/553,307

Confirmation No.:

Filed: October 14, 2005

Art Unit: N/A

For: ***AROMATIC PHOSPHONIUM SALTS AND  
THEIR USE AS LABELING REAGENTS  
MASS SPECTROMETRY ANALYSIS***

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR §§1.56, 1.97 and 1.98, Applicants respectfully invite the attention of the Patent and Trademark Office to the references listed on the attached PTO/SB/08. Applicants respectfully request that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the filing date of the instant application, which is the national stage of international application no. PCT/US2004/ 011426, filed April 14, 2004 and published in English as WO2004/092707 A2 on October 28, 2004. Applicants have not provided copies of references CA-CF listed on the attached PTO/SB/08 inasmuch as these were cited in the International Search Report issued in the aforementioned PCT international application and have already been provided to the United States Receiving Office. A copy of the International Search Report is submitted concurrently herewith.

In addition, pursuant to 37 CFR §1.98(a)(2), Applicants have not provided copies of references AA-AO inasmuch as all are issued U.S. Patents. Applicants do enclose herewith copies of the remaining Non Patent Literature Documents, namely references CG-CI.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

Applicants submit that no fee is due for the consideration and entry of this Information Disclosure Statement inasmuch as it is being filed within three months of the filing date of the instant application. However, the Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 64254(49991). A duplicate copy of this paper is enclosed.

Applicants submit that this Information Disclosure Statement is in compliance with 37 CFR 1.98 and respectfully request the Examiner to consider and make of record the listed references.

Dated: December 15, 2005

Respectfully submitted,

By 

Peter C. Lauro, Esq.

Registration No.: 32,360

EDWARDS ANGELL PALMER & DODGE LLP

P.O. Box 55874

Boston, Massachusetts 02205

(617) 439-4444

Attorneys/Agents For Applicant



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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	10/553,307
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Filing Date	October 14, 2005
				First Named Inventor	John C. Gebler
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	64254(49991)

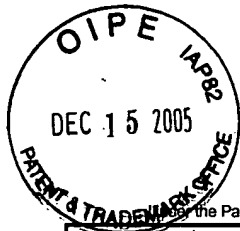
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	6,027,847	02/22/00	WILSON, John C., et al.	
	AB	5,459,006	10/17/95	WILSON, John C., et al.	
	AC	5,508,140	04/16/96	WILSON, John C., et al.	
	AD	5,512,407	04/30/96	WILSON, John C., et al.	
	AE	5,547,803	08/20/96	WILSON, John C., et al.	
	AF	5,561,020	10/01/96	WILSON, John C., et al.	
	AG	4,837,392	06/06/89	ANDERSON, James H., et al.	
	AH	3,736,349	05/29/73	GILLHAM, Helen C., et al.	
	AI	5,061,633	10/29/91	MEGURO, Hiroshi, et al.	
	AJ	3,140,283	07/07/64	DEPOORTER, Henri, et al.	
	AK	4,947,000	08/07/90	MEGURO, Hiroshi, et al.	
	AL	4,036,889	07/19/77	CHOPDEKAR, Vilas M.	
	AM	5,554,474	09/10/96	VREELAND, William B., et al.	
	AN	5,902,904	05/11/99	LANEMAN, Scott A., et al.	
	AO	4,073,803	02/14/78	AXEN, Udo F.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	HUANG et al. "A Picomole-Scale Method for Charge Derivatization of Peptides for Sequence Analysis by Mass Spectrometry", Anal. Chem., 1998, v. 69, pp. 137-144	
	CB	MAMER et al. "Enhancement of Mass Spectrometric Detection of LTC <sub>4</sub> , LTD <sub>4</sub> , and LTD <sub>4</sub> by Derivatization", J. Am. Soc. Mass Spectrom., 1994, v.5, pp. 292-298	
	CC	HUANG et al. "Protein Sequencing by Matrix-Assisted Laser Desorption Ionization-Postsource Decay-Mass Spectrometry Analysis of the N-Tris (2, 4, 6-trimethoxyphenyl) phosphine-Acetylated Tryptic Digests", Anal. Biochem., 1999, v. 268, pp. 305-317	
	CD	SADAGOPAN et al. "Investigation of the Tris(trimethoxyphenyl) phosphonium Acetyl Charged Derivatives of Peptides by electrospray Ionization Mass Spectrometry and Tandem Mass Spectrometry", J. Am. Mass Spectrom., 2000, v. 11, pp. 107-119	
	CE	SHEN et al. "Interpretation of MALDI Postsource Decay Spectra of Charge-Derivatized Peptides: Some Examples of Tris [(2, 4, 6-Trimethoxyphenyl) Phosphonium]-Tagged Proteolytic Digestion Products of Phosphoenolpyruvate Carboxylase", J. Am. Soc. Mass Spectrom., 2000, v. 11 pp. 145-152	

Examiner Signature	Date Considered
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				Filing Date	October 14, 2005
				First Named Inventor	John C. Gebler
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	64254(49991)

	CF	LEAVENS et al. "Derivatization for liquid chromatography/electrospray mass spectrometry synthesis of tris (trimethoxyphenyl) phosphonium compounds and their derivatives of amine and carboxylic acids", Rapid Commun. Mass Spectrom., 2002, v. 16, pp. 433-441	
	CG	BARRY et al. "Use of S-pentafluorophenyl tris (2,4,6-trimethoxyphenyl) phosphonium acetate bromide and (4-hydrazino-4-oxobutyl) [tris(2,4,6-trimethoxyphenyl) phosphonium bromide for the derivatization of alcohols, aldehydes and ketones for detection by liquid chromatography/electrospray mass spectrometry", Rapid Commun. Mass Spectrom., 2003, v. 17, pp.484-497	
	CH	ADAMCZYK et al. "Charge Derivatization of Peptides to Simplify their Sequencing with an Ion Trap Mass Spectrometer", Rapid Commun. Mass Spectrom., v. 13, pp. 1413-1422	
	CI	SMOLKA et al. "Optimization of the Isotope-Coded Affinity Tag-Labeling Procedure for Quantitative Proteome Analysis", Analytical Biochemistry, 2001, v. 297, pp.25-31	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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